IN THE CLAIMS

1. (Currently Amended) A micropump with a pump membrane which can be moved by modifying the volume of a pump chamber which is adjacent to the pump membrane and a base part, also comprising two valves which are arranged in recesses in the base part and react to the pressure in the pump chamber in order to alternately open and close an inlet channel and an outlet channel for a medium to be pumped, ~~characterized in that~~ wherein the valves are formed without any common components by standalone functioning valve modules comprising a valve seat and a valve body.

2. (Currently Amended) The micropump according to claim 1, ~~characterized in that~~ wherein both valve modules are identically constructed.

3. (Currently Amended) The micropump according to ~~claims 1 or 2, characterized in that~~ claim 1, wherein hollows which are open toward the pump chamber are formed as recesses.

4. (Currently Amended) The micropump according to claim 3, ~~characterized in that~~ wherein the height of the valve module is equal to the depth of the hollow receiving the module.

5. (Currently Amended) The micropump according to ~~one of claims 1 to 4, characterized in that~~ claim 1, wherein the valve module is made of two parts with a preferably rotationally symmetrical seat component, and a valve body preferably

designed as a spring component for closing and opening of a preferably central opening in the seat component.

6. (Currently Amended) The micropump according to claim 5, ~~characterized in that~~ wherein the spring component exhibits a film in which a lip element is formed through at least one cutout and attached at one end or at several ends with the remaining film.

7. (Currently Amended) The micropump according to claim 6, ~~characterized in that~~ wherein the cutout is a slot cutout following the contour of the lip element.

8. (Currently Amended) The micropump according to ~~claim 6 or 7, characterized in that~~ claim 6, wherein the spring component is connected with the seat component in an outer ring area which is centered by the seat component, from which the lip element extends inwards.

9. (Currently Amended) The micropump according to ~~claims 5 to 8, characterized in that~~ claim 5, wherein the seat component exhibits a ring heightening in the area of the valve seat which extends from a floor plate and which prestresses the lip element in the resting state.

10. (Currently Amended) The micropump according to claim 9, ~~characterized in that~~ wherein the seat component has an elevated rim seat by means which the lip element is lifted across its entire length from the floor plate.

11. (Currently Amended) The micropump according to ~~one of claims 8 to 10, characterized in that~~ claim 8, wherein the lip

element is connected with the ring area at two diametrical places or connected with the ring area at three places which are evenly distributed across the ring area.

12. (Currently Amended) The micropump according to ~~one of claims 1 to 11, characterized in that~~ claim 1, wherein it is composed of a base module which receives the valve modules and comprises a base part and hose connections, and of a actuator module which includes the membrane and a piezo disk connected to the membrane.

13. (Currently Amended) The micropump according to claim 11, ~~characterized in that~~ wherein the base module, with exception of the recesses, and/or the actuator module is rotationally symmetrical.

14. (Currently Amended) The micropump according to ~~claims 1 to 13, characterized in that~~ claim 1, wherein the base part is disk-shaped and that the inlet and outlet channel extend perpendicularly relative to the disk plane.

15. (Currently Amended) The micropump according to ~~claim 13 or 14, characterized in that~~ claim 13, wherein a seat for the actuator module is formed on the base part, and preferably the pump membrane rests over a support ring on a ring shoulder located on the base part.

16. (Currently Amended) The micropump according to ~~one of the claims 13 to 15, characterized in that~~ claim 13, wherein the base module is formed in one piece with the hose connections.

17. (Currently Amended) The micropump according to ~~one of claims 1 to 15, characterized in that~~ claim 1, wherein at least the part of the pump which comes into contact with the medium is made of a plastic.

18. (Currently Amended) The micropump according to ~~one of claims 1 to 17, characterized in that~~ claim 1, wherein the membrane is made of one piece or exhibits several layers of different material.

19. (Currently Amended) The micropump according to ~~one of claims 1 to 18, characterized in that~~ claim 1, wherein the membrane exhibits a recess facing the pump chamber, which preferably corresponds to the maximum pump chamber volume.

20. (Currently Amended) The micropump according to ~~one of claims 1 to 18, characterized in that~~ claim 1, wherein the membrane is cap-like and can be moved manually or the help of an actuation which is temporarily or permanently attached to the membrane.

21. (Currently Amended) A method for the serial production of micropumps according to ~~one of the claims 1 to 20, characterized in that~~ claim 1, wherein the valve modules, base modules, which include the base part and connections, as well as the actuator modules which include the membrane, are prefabricated independently of one another and wherein the micropump is made up of these modules.